

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): A construction element,
2 comprising:
3 at least one first side with at least one first
4 opening;
5 at least one second side with at least one second
6 opening;
7 at least one first cavity bounded between the first
8 and second ~~side~~ sides and which is connected to the first
9 opening;
10 at least one second cavity bounded between the first
11 and second side and which is connected to the second
12 opening, with the first and second cavities at least
13 partially overlapping; and
14 at least one connection between the first side and
15 second side which at least partially bounds the first and
16 second cavities ~~at least partly;~~
17 wherein the first side, the second side and the
18 connection form a monolithic entity; and
19 at least one of the first and second cavities
20 narrows towards the opening connected to it.

1 Claim 2 (previously presented): A construction element
2 according to claim 1, wherein at least one of the first and
3 second cavities is conical or pyramidal.

1 Claim 3 (currently amended): A construction element
2 according to claim 1, comprising+ at least two beam-shaped
3 connections between the first and second side, which at
4 least partially bound the first and second cavities ~~at least~~
5 ~~partly~~.

1 Claim 4 (original): A construction element according to
2 claim 3, wherein the beam-shaped connections form
3 generatrices of a cone or ribs of a pyramid.

1 Claim 5 (previously presented): A construction element
2 according to claim 3, wherein the beam-shaped connections
3 also form ribs of the construction element.

Claim 6 (canceled).

1 Claim 7 (previously presented): A construction element
2 according to claim 1, wherein less than 10% of the surface
3 of the first side is formed by openings.

1 Claim 8 (previously presented): A construction element
2 according to claim 1, wherein less than 10% of the surface
3 of the second side is formed by openings.

1 Claim 9 (previously presented): A construction element
2 according to claim 1, wherein the first and second cavities
3 comprise at least 50% of a volume of the construction
4 element located between the first side and second side.

1 Claim 10 (previously presented): A construction element
2 according to claim 1, wherein the first and second cavities

3 comprise 90% of a volume of the construction element located
4 between the first side and second side.

1 Claim 11 (previously presented): A construction element
2 according to claim 1, wherein the first side and the second
3 side are at a distance from each other.

1 Claim 12 (previously presented): A construction element
2 according to claim 1, wherein the first side is not parallel
3 to the second side.

1 Claim 13 (previously presented): A construction element
2 according to claim 1, wherein the first side and the second
3 side are substantially parallel.

1 Claim 14 (currently amended): A construction element
2 according to claim 1, further comprising+ at least one side
3 surface between the first and the second ~~side~~ sides.

1 Claim 15 (previously presented): A construction element
2 according to claim 1, wherein at least one of the side
3 surfaces or sides is at least partly curved.

1 Claim 16 (original): A construction element according to
2 claim 14, wherein at least one of the side surfaces or sides
3 is single-curved.

1 Claim 17 (original): A construction element according to
2 claim 14, wherein at least one of the side surfaces or sides
3 is multi-curved.

1 Claim 18 (currently amended): A construction element
2 according to claim 14, wherein the surface of at least one
3 of the first and second sides is annular and ~~between the~~
4 ~~sides,~~ a first side surface and a second side surface are
5 present between the sides.

1 Claim 19 (original): A construction element according to
2 claim 18, wherein the diameter of the annular first side is
3 greater than the diameter of the annular second side.

1 Claim 20 (previously presented): A construction element
2 according to claim 15, wherein the first side surface and
3 the second side surface have a greater surface than the
4 first side or the second side.

1 Claim 21 (previously presented): A construction element
2 according to claim 1, wherein at least one of the side
3 surfaces is disc-shaped.

1 Claim 22 (previously presented): A construction element
2 according to claim 1, with a spherical element surface
3 comprising the first side and second side.

1 Claim 23 (previously presented): A construction element
2 according to claim 1, which is, at least partly, of
3 aluminum.

1 Claim 24 (currently amended): A construction element
2 according to claim 1, wherein at least one side or surface
3 of which is at least partially a reflecting surface, ~~at~~
4 ~~least partly~~.

1 Claim 25 (currently amended): A construction element ~~is a~~
2 ~~construction element~~ according to claim 21 wherein one of
3 the disc-shaped side surfaces comprises a reflecting
4 surface.

1 Claim 26 (currently amended): A method for manufacturing a
2 construction element according to claim 1 from a workpiece
3 with at least a first side and at least a second side, the
4 method comprising the steps of:

5 providing a first opening in the first side;
6 removing material, at least partly, located between
7 the first and second ~~side~~ sides via the first opening, so
8 that a first cavity bounded between the first and second
9 ~~side~~ sides and connected to the first opening is obtained in
10 the workpiece;

11 providing a second opening in the second side; and
12 removing material, at least partly, located between
13 the first and second ~~side~~ sides via the second opening, so
14 that a second cavity bounded between the first and second
15 ~~side~~ sides and connected to the second opening is obtained
16 in the workpiece; and

17 wherein the removal of material is carried out such
18 that the first and second cavities at least partly overlap,
19 and that between the first side and second side at least one
20 connecting element is formed which at least partially bounds
21 ~~bounding~~ the first and second cavities ~~at least partly~~ and
22 at least one of the first and second cavities narrows
23 towards the opening connected to it.

1 Claim 27 (currently amended): An apparatus for manufacturing
2 a construction element according to claim 1, comprising:
3 at least one machining element; and

4 at least one holder for at least one workpiece with
5 at least a first side and at least a second side, and
6 at least one control apparatus for driving the at least one
7 machining element and the at least one holder, wherein the
8 at least one control apparatus is arranged for:

9 providing at least a first opening in a first side;
10 removing material, at least partly, located between
11 the first side and a second side with the at least one
12 machining element via the at least one first opening, so
13 that at least a first cavity bounded between the first and
14 second ~~side~~ sides and connected to the first opening is
15 obtained;

16 providing at least one second opening in a the
17 second side and removing material, at least partly, located
18 between the first and second ~~side~~ sides with the at least
19 one machining element via the at least second opening, so
20 that at least a second cavity bounded between the first and
21 second ~~side~~ sides and connected to the second opening is
22 obtained; and

23 providing that the first and second cavities at
24 least partly overlap and that between the first side and
25 second side at least one connecting element is formed
26 bounding the first and second cavities at least partly and
27 that at least one of the first and cavities narrows towards
28 the opening connected to it.

1 Claim 28 (original): An apparatus according to claim 27,
2 wherein at least one of the at least one machining elements
3 comprises a multiaxial milling apparatus.

1 Claim 29 (currently amended): A data carrier provided with
2 data representing a program loadable in a programmable

3 apparatus, which program comprises program code for carrying
4 out when loaded an apparatus according to claim 27 the steps
5 of:

6 providing a first opening in the first side of the
7 workpiece;

8 removing material, at least partly, located between the
9 first and second ~~side~~ sides via the first opening, so that a
10 first cavity bounded between the first and second ~~side~~ sides
11 and connected to the first opening is obtained in the
12 workpiece:

13 providing a second opening in the second side of the
14 workpiece and

15 removing material, at least partly, located between the
16 first and second ~~side~~ sides via the second opening, so that
17 a second cavity bounded between the first and second ~~side~~
18 sides and connected to the second opening is obtained in the
19 workpiece:

20 wherein the removal of material is carried out such
21 that the first and second cavities at least partly overlap
22 and that between the first side and second side at least one
23 connecting element is formed which at least partially bounds
24 ~~bounding~~ the first and second cavities ~~at least partly~~ and
25 at least one of the first and second cavities narrows
26 towards the opening connected to it.